

# Comparisons of Job Characteristics

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Industrial Truck and Tractor Operators (53-7051)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 49

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Industrial Truck and Tractor Operators (53-7051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	7.8	5.4	<< Extensive education and/or training may be required
Transportation	4.6	5.1	10.6	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Industrial Truck and Tractor Operators (53-7051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	11.2	11.4	0 Current skill level may be sufficient
Operation Monitoring	6.6	10.7	11.4	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.2	8.3	0 Current skill level may be sufficient
Troubleshooting	4.5	6.2	8.5	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation:** Highway Maintenance Workers (47-4051)

**Associated Occupation:** Industrial Truck and Tractor Operators (53-7051)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.0	13.3	0	Current ability level may be sufficient
Multilimb Coordination	6.0	14.0	12.9	0	Current ability level may be sufficient
Response Orientation	4.0	11.9	9.8	<	Some improvement in abilities may be required
Reaction Time	4.8	11.6	10.8	0	Current ability level may be sufficient
Depth Perception	5.3	11.5	10.2	<	Some improvement in abilities may be required
Static Strength	5.0	10.8	10.1	0	Current ability level may be sufficient
Rate Control	3.8	10.3	9.8	0	Current ability level may be sufficient
Spatial Orientation	2.7	8.3	6.9	<	Some improvement in abilities may be required
Peripheral Vision	2.2	7.3	5.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 66

**Focus Occupation: Highway Maintenance Workers (47-4051)**  
**Associated Occupation: Industrial Truck and Tractor Operators (53-7051)**

Work Activities	Exclusivity of Activity
Move or fit heavy objects	8
Operate tractor with accessories or attachments	76
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 72

**Focus Occupation: Highway Maintenance Workers (47-4051)**  
**Associated Occupation: Industrial Truck and Tractor Operators (53-7051)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Computers	1
Heavy equipment components	21
Lifting equipment and accessories	3
Product and material trailers	24
Product and material transport vehicles	13

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.